

Title (en)
Spread spectrum signal receiving apparatus.

Title (de)
Empfanggerät für bandgespreizte Signale.

Title (fr)
Appareil de réception pour signaux à spectre étalé.

Publication
EP 0496354 A2 19920729 (EN)

Application
EP 92100935 A 19920121

Priority
• JP 2045691 A 19910121
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Abstract (en)
A spread spectrum signal receiving apparatus comprising: a radio frequency processing circuit (32) for converting a spread spectrum signal into an intermediate frequency signal; a binary encoder (35) for encoding the intermediate frequency signal; a pseudo-random noise code generator (51); a code driver (54) for controlling the phase and the chip speed of the output of the code generator; a first multiplier (36) for multiplying the binary signal by the output of the code generator; a numerical controlled oscillator (61) for outputting first and second carrier signals; second and third multipliers (62, 63) for multiplying the output signal of the first multiplier respectively by the first and second carrier signals; first and second low-pass filters (64, 65) supplied with the output signals of the second and third multipliers respectively; and a microcomputer (100) having functions (101, 102) to produce signals for controlling the numerical controlled oscillator, and functions (103-113) to produce signals for controlling the code driver.
<IMAGE> <IMAGE>

IPC 1-7
G01S 5/14

IPC 8 full level
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CPC (source: EP US)
G01S 19/24 (2013.01 - EP US); **G01S 19/30** (2013.01 - EP US); **H04B 1/7085** (2013.01 - EP US)

Cited by
EP0634666A3; CN1064203C; DE19810719A1; DE19810719C2; EP3537181A1; WO9510145A1; WO0122611A1; US6658042B1; US10830903B2

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